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0886 U.S. PTD
09/955514
08/23/01

[illegible][illegible]

Examiner Signature	<i>RLG</i>	Date Considered	5/10/2005
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	To Be Assigned
		Filing Date	Concurrently Herewith
		First Named Inventor	McKinnon et al
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	10263-35430
Sheet	2	of	3

1986 U.S. PTO
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
ML	1	BEAUREGARD, BRIAN CONRAD, Overview of the Cable Modem, WPI Department of Electrical and Computer Engineering [online] Technologies Course Homepage, March 23, 1996 [Retrieved on 2000-12-18]. Retrieved from the Internet at <URL:http://www.ece.wpi.edu/courses/ee535/hwk96/hwk4cd/bcbeau/node1.html>.
RLC	2	WHITE, GERRY, Additions To Cable Spec Enable QoS [online] Article in Network World Fusion, June 19, 2000 [Retrieved on 2000-12-19]. Retrieved from the Internet at <URL:http://www.nwfusion.com/cgi-bin/mailto/x.cgi>
RLC	3	RiverDelta Networks, RiverDelta Networks Executive To Discuss Advanced Quality Of Service Techniques At Cable-Tec Expo 2000 [online] Press Release, May 31, 2000 [Retrieved 2000-12-19]. Retrieved from the Internet at <URL:http://www.riverdelta.com/pr053100.html>.
RLC	4	RiverDelta Networks, RiverDelta Raises \$10 Million To Bring Enhanced Broadband Services To Next-Generation Cable Providers [online] Press Release, December 19, 1999 [Retrieved 2000-12-19]. Retrieved from the Internet at <URL:http://www.riverdelta.com/pr121399.html>.
RLC	5	River Delta Networks, QoS: One HFC Network, Multiple Revenue Streams [online] White Papers, [Retrieved on 2000-12-19]. Retrieved from the Internet at <URL:http://www.cabledatamnews.com/whitepapers/paper08.html>.
RLC	6	Telecommunications Online, RiverDelta Networks (www.riverdelta.com) – A One-Box MSA Solution [online] Newsletter article, July 2000 [Retrieved on 2000-12-10]. Retrieved from the Internet at <URL:http://www.telecommagazine.com/products/200007/20000701.html>.
RLC	7	WHITE, GERRY, QoS: Enabling Multiple Services on Cable Networks, [online] Telecommunications Online Newsletter Article, October 2000 [Retrieved on 2000-12-19]. Retrieved from the Internet at <URL:http://www.telecoms.mag.com/issues/200010/tcs/qos_enabling.html>.
RLC	8	International Engineering Consortium, How Cable Modems Work [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from the Internet at <URL:http://www.iec.org/tutorials/cable_mod/topic01.html?Nest.x=34&Next.y=20>.
RLC	9	International Engineering Consortium, Cable Data System Features [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from the Internet at <URL:http://www.iec.org/tutorials/cable_mod/topic02.html>.
RLC	10	International Engineering Consortium, Cable Data Network Architecture [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from the Internet at <URL:http://www.iec.org/tutorials/cable_mod/topic02.html>.

Examiner Signature	<i>RLC</i>	Date Considered	5/10/2005
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		Filing Date	Concurrently Herewith
		First Named Inventor	McKinnon et al.
		Group Art Unit	
		Examiner Name	
Sheet 3	of 3	Attorney Docket Number	10263-35430

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
fu	11	International Engineering Consortium, Cable Data Network Standards [online] Web ProForum Tutorial Course, August 3, 2000 [Retrieved on 2000-12-18]. Retrieved from Internet at <URL:http://www.iec.org/tutorials/cable_mod/topic04.html?Next.x=40&Next.y=18>.	
ky	12	OSTERGAARD, ROLF V., Cable-Modems.Org: Your Cable Modem Reference Guide, [online] Tutorial 1998-2000 [Retrieved on 2000-12-18]. Retrieved from Internet at <URL:http://www.cable-modems.org/tutorial>.	
ker	13	Time Warner Cable, Road Runner Subscription Agreement, January 1999, Pages 1-4.	
acw	14	WHITE, GERRY, Eliminating Open Access Technology Barriers [online] Telecommunications Online Newsletter Article, July 2000 [Retrieved on 2000-12-10]. Retrieved from the Internet at <URL:http://telecommagazine.com/issues/200007/tcs/elimin.htm>.	
fu	15	GREEN, TIM, DSL Has A Secret [online] Network World Fusion Article, March 2, 1999 [Retrieved on 2000-12-22]. Retrieved from the Internet at <URL:http://cnn.com/TECH/computing/9903/02/dslsecretldg/>.	
ky	16	Cable Television Laboratories, Inc., Cable Data Modem Performance Evaluation: A Primer For Non-Technical Readers, November 15, 1996, Pages 1-8	
ky	17	RiverDelta Networks Inc., QoS: The Key To Maximizing Revenue: A Technical Guide for Cable Operators [online] PDF Document, Publication Date Unknown [Retrieved on 2000-12-18]. Retrieved from Internet at <URL:http://www.riverdelta.com>, Pages 1-8.	
ky	18	Cable Television Laboratories, Inc., Cable Data Modem Performance Evaluation: A Primer For Non-Technical Readers, April 1996, Pages 1-3.	
ky	19	ddri Diversified Data Resources, Inc., ACE-SNMP Web Based SNMP Network Management System An Introductory Overview of SNMP, 1999.<URL:http://www.ddri.com> Pages 1-32.	
fu	20	Data-Over-Cable Service Interface Specifications; Radio Frequency Interface Specification; SP-RF1v1.104-00047 Interim Specification; 2000 Cable Television Laboratories, Inc. Pages 229-231; 263; 121-141; 156-217; and 277-283.	

Examiner Signature	<i>Roche</i>	Date Considered	5/10/2008
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